

WHAT IS CLAIMED IS:

1. A filtering apparatus comprising;
a reservoir containing a pool of dirty fluid, the reservoir defined at least in part by a pair of laterally spaced side walls;
a drum rotatably supported within the reservoir, the drum having a generally cylindrical body having a first end, a second end, and an opening therebetween to pass fluid,
a filter element connected to the drum body and covering the opening to filter fluid flowing into the drum; and
the drum body being journaled about its outer surface to the reservoir for rotation therein.

2. The filtering apparatus of claim 1, further comprising a pair of bearings, each bearing connected to one side wall to rotatably support the drum body about the outer surface.

3. The filtering apparatus of claim 2, wherein the pair of bearings are polymer bearings.

4. The filtering apparatus of claim 1, wherein the first and second ends of the drum body are independently adjustable relative to the side walls of the reservoir.

5. The filtering apparatus of claim 1, further comprising a pair of flanges connected to the pair of side walls, the flanges supporting the ends of the drum body about the outer surface.

6. The filtering apparatus of claim 5, wherein each flange is adjustable relative to the side wall to which it is connected.

7. The filtering apparatus of claim 6, wherein each flange is pivotally connected to the respective side wall and includes a plurality of slotted apertures that receive

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bolts for attaching the flange to the side wall, the plurality of slotted apertures oriented relative to the pivotal connection to permit adjustment of each end of the drum body.

8. The filtering apparatus of claim 1, wherein the drum includes no end walls.

9. A filtering apparatus comprising;
a reservoir containing a pool of dirty fluid, the reservoir defined at least in part by a pair of laterally spaced side walls;
a drum rotatably supported within the reservoir, the drum having a generally cylindrical body having a first end, a second end, and an opening therebetween to pass fluid,
a filter element connected to the drum body and covering the opening to filter fluid flowing into the drum; and
the first and second ends of the drum body being adjustably supported by the side walls, the first and second ends being independently adjustable.

10. The filtering apparatus of claim 9, further comprising a pair of flanges connected to the pair of side walls, the flanges supporting the ends of the drum body.

11. The filtering apparatus of claim 10, wherein each flange includes a plurality of slotted apertures that receive studs for attaching the flange to the side wall.

12. The filtering apparatus of claim 11, wherein each flange is pivotally connected to the respective side wall, and the plurality of slotted apertures are oriented relative to the pivotal connection to permit adjustment of each end of the drum body.

13. The filtering apparatus of claim 9, wherein the drum body is journalled about its outer surface to the side walls of the reservoir for rotation therein.

14. The filtering apparatus of claim 13, further comprising a pair of laterally spaced bearings, each bearing connected to one side wall to rotatably support the drum body about the outer surface.

15. The filtering apparatus of claim 13, further comprising a pair of laterally spaced seals mounted to the outer surface of the drum and engaging the pair of side walls to provide a fluidic seal therebetween.

16. The filtering apparatus of claim 15, wherein each seal is located laterally inside each bearing to seal the bearing from dirty fluid.

17. A filtering apparatus comprising;
a reservoir containing a pool of dirty fluid, the reservoir defined at least in part by a pair of laterally spaced side walls;
a drum rotatably supported within the reservoir, the drum having a generally cylindrical body having a first end, a second end, and an opening therebetween to pass fluid,
a filter element connected to the drum body and covering the opening to filter fluid flowing into the drum;
a pair of laterally spaced bearings, each bearing connected to one side wall to rotatably support the drum body about the outer surface; and
a pair of laterally spaced seals mounted to the outer surface of the drum body and engaging the pair of side walls to provide a fluidic seal therebetween, each seal being located laterally inside each bearing to seal the bearing from dirty fluid.

18. The filtering apparatus of claim 17, further comprising a pair of laterally spaced flanges adjustably connected to the pair of side walls, the bearings connected to the flanges to support the ends of the drum body about the outer surface, the seals engaging the flanges to provide a fluidic seal therebetween.

19. The filtering apparatus of claim 18, wherein each flange is independently adjustable relative to the side wall to which it is connected.

20. The filtering apparatus of claim 18, wherein each flange is pivotally connected to the respective side wall, and the plurality of slotted apertures are oriented relative to the pivotal connection to permit adjustment of each end of the drum body, a

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plurality of slotted apertures that receive studs for attaching the flange to the side wall, the plurality of slotted apertures oriented to permit omni-directional adjustment of each end of the drum body.